

CLAIMS

What is claimed is:

1. A method for processing a video-ID signal in a recording and reproducing system, comprising the steps of:

detecting the starting position of a video-ID signal from an input video signal, compressing a video signal started from the video-ID signal as a predetermined compression unit, and recording the starting position of the detected video-ID signal in a predetermined recording area; and

detecting the starting position of the video-ID signal recorded in the predetermined recording area, and decoding a video signal which inserts the video-ID signal into the starting point.

2. The method of claim 1, wherein the step of detecting the starting position of the video-ID signal comprises the steps of:

determining an input video signal to be the starting position of the video-ID signal if a luminance component of the input video signal is higher than a predetermined level;

after detecting the starting position of the video signal in a present frame, comparing the starting position of the present frame with the starting position of a video-ID signal of a next frame, and if the starting positions are the same, determining the starting position to be the starting position of the video-ID signal.

3. The method of claim 2, wherein the step of detecting the starting position of the video-ID signal is performed repeatedly in at least one or more frames according to an external video signal.

4. The method of claim 2, wherein the starting position of the video-ID signal exists in a synchronous line in which a predetermined number of luminance components higher than a predetermined level are continued.

5. The method of claim 1, wherein the input video signal is formed of an effective video data area and a separate video-ID signal area.

6. The method of claim 1, wherein, in the reproduced video signal, the video-ID signal area is included in the effective video data area.

7. The method of claim 1, wherein the starting position of the video-ID signal is recorded in a subcode area of a digital track format.

8. An apparatus for recording a video-ID signal in a recording and reproducing system, the apparatus comprising:
an ID position detector for detecting a starting position of a video-ID signal inserted at a predetermined interval in input video data;
a video processor for compressing video data started from the detected starting position as a predetermined compression unit; and
a controller for recording the detected starting position of the video-ID signal in a predetermined recording area of recording media.

9. An apparatus for reproducing a video-ID signal in a recording and reproducing system, the apparatus comprising:
an ID position detector for detecting a starting position of a video-ID signal recorded in a predetermined recording area; and
a video processor for decoding a video signal that inserts the video-ID signal into the detected starting position of the video-ID signal.